

Date: Tue, 26 Jan 93 09:12:26 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #114  
To: Info-Hams

Info-Hams Digest                      Tue, 26 Jan 93                      Volume 93 : Issue 114

Today's Topics:

                    6BQ5 data wanted  
                    Codeless Flaming  
            HELP! ATTENTION...Please read my message.  
                    Help with an ICOM IC202S  
Re: writing out -- --- -. ... . in order to pass your exam  
                    Real Hams... ALL!  
                    Real NoCodes  
                    Retuning Commercial Gear  
                    TH78A / Larson / Intermod / mods  
                    Through-the-glass antennas  
writing out -- --- -. ... . in order to pass your exam (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 26 Jan 93 14:52:58 GMT  
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!rtaylor@network.UCSD.EDU  
Subject: 6BQ5 data wanted  
To: info-hams@ucsd.edu

klaudon@pica.army.mil writes:

>While you are looking through your tube manuals, there is one (I think the  
>RCA manual of around 1970) which also contained a series of schematics of  
>tube audio amplifier circuits, along with discussion and component lists.  
>My dad asked me to look for these at the same time (it's his friend who  
>is doing the exhibit). My dad developed some very unusual designs of his

>own as a young man that were way ahead of their time for his own audio hobby.  
>These were balanced, fully DC coupled tube audio amps that sounded great.  
>The biasing schemes were very innovative, as I recall.

Your dad didn't happen to go to Rose Polytech in the late 50's  
did he? We built some great DC coupled amplifiers out of banks  
of 6080's as I remember that had bass response down to DC and  
drove Hartley speakers with their 2 inch displacement that sent  
waves of deep bass organ notes rolling down the dorm halls. Sure  
beat the low end response of anything on the market today.

-----  
Date: 26 Jan 1993 13:09:24 GMT  
From: mintaka.lcs.mit.edu!ai-lab!silver.lcs.mit.edu!moisan@yale.arpa  
Subject: Codeless Flaming  
To: info-hams@ucsd.edu

In the spirit of Messrs. Deignan and Pellicio, I could generalize a  
bit about Extras. Extra Class Hams:

- \* Spend all their life on the radio--complaining about their home  
life.
- \* Say "I ain't buying no RICEBOX!"
- \* Talk incessantly about their health especially excretory functions.
- \* Whine about the "good old days" (which weren't, but can't tell THEM  
that!)
- \* Think their HT makes them an EMT, a cop, an electronics tech, fill  
in the blank.
- \* Consider 14.313 their favorite frequency
- \* Flame newbies

I HAVE heard all these. But don't bother sending examples. That's  
missing the point. It's bigoted.

Deignan and Pellicio have demonstrated the worst in amateur radio.  
They believe--like many hams--their callsigns impart holy knowledge  
entitling them to put down anyone not of their station.

But there's something worse: Too many hams, like society in general,  
treat tests like magic. Just increase the number and difficulty, they  
say, and people will know EVERYTHING. One thing I learned from five  
years of college is that even if \*calculus\* were on the test, people  
would still be intemperate.

Hams are like parents who say, "Don't come back into MY house unless  
you have all A's on your report card". They whine about their kids  
and their education and say "It's not MY <bleeping> job!" I dare say

if parents met teachers like Deignan and Pellicio, they'd be screaming for their heads.

People hear young (and female voices) and say "Go SOMEWHERE ELSE! Go back where you came from! Leave me in peace! (of the grave))"

But Deignan and Pellicio have all the answers. But they don't allow questions. And they are the true ignorants in this debate. The same people who rant about memorizing tests probably did the same themselves. God forbid they should admit they are imperfect, and don't possess all knowledge. Why, for all I know, those calls of theirs are their SOLE achievement in life!

I'm an Advanced, and as far as I'm concerned, the whole damned test is just a beginning. All of it. I don't know everything and don't even pretend to. But I'm in this hobby because I love radio, and it gives me the great freedom to tinker. (As a confirmed dumpster diver, this is no small thing! :))

I'm proud to say that I elmered my first student last summer, John N1NIG (a fellow Internet denizen). It was, and is, frustrating, but there's no greater joy than to share knowledge with someone. This is something, in a town where the local club won't give you the time of day if you're not one of their own. If John asks me something I don't know, I find someone who does and we learn \*together\*. I wouldn't have it any other way. (And if someone snubs my students, they snub ME. I don't elmer people just to have them blown off by geezers-at-heart.)

Whether newbies follow someone's cockeyed conception of operating practice, or even equipment, is irrelevant. Courtesy, and a willingness to take risks and learn from mistakes, is MUCH more important than the brand of one's rig, or their antenna. (As an aside, Anli "fishing-pole" antennas do work better than the rubber dummy load that HT's come with.)

People are, of course, entitled to form their own little cliques. But they shouldn't be surprised to find themselves isolated when good hams refuse to tolerate their rantings.

73's, N1KGH

P.S. Mike, I used to think .sig's never indicated character. I can see that I'm wrong. ("I'm not a bigot, I hate everyone!")

P.P.S. People who say, "Screw them if they can't take a joke" should never be surprised when others take them up on that.

P.P.P.S. If the Usenet-reading ham population of RI does NOT speak up against these guys, they're part of the problem. Remind me never to go there or contact them over the air.

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| David Moisan, N1KGH      /^\_/\^      dmoisan@pro-angmar.alfalfa.com |
| 86 Essex St. Apt #204 ( o ^ o ) moisan@silver.lcs.mit.edu           |
| Salem. MA 01970-5225      | |                                           |
\-----/
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Date: Tue, 26 Jan 1993 12:19:54 GMT  
From: mcsun!sunic!news.lth.se!pollux.lu.se!vbib.vsek.lth.se!lthvbibl@uunet.uu.net  
Subject: HELP! ATTENTION...Please read my message.  
To: info-hams@ucsd.edu

Hallo all radioamateurs!!

I hope anyone of you active radioamateurs could help me searching for a person I unfortunately have lost contact with for several years ago.

Since I happen to know his "radiocallingnumber" he used at that time and he had a lot of contacts all over the world - I hope this would be a way to get in touch with him.

His name is Hezie Schnitzler and he lived then in Petah Tiqva in Israel for about 10 years ago. His radiocallingnumber he then used was/is: 4 Z 4 T V (Tango Victory).

I hope someone can help me and I look forward very much to getting some response. Thanks in advance for helping

Best regards from Helena (Lena) Klein in Lund in Sweden

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Helena Klein, School of Civil Eng. Library, Box 118, S-221 00 LUND, Sweden  
Telephone: +46 46 109243, Telefax: +46 46 104427, Telex: 33533 LUNIVER S  
E-mails: Helena.Klein@vsek.lth.se  
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Date: 25 Jan 93 15:13:56 GMT  
From: pipex!demon!imclnd.demon.co.uk!mike@uunet.uu.net  
Subject: Help with an ICOM IC202S  
To: info-hams@ucsd.edu

Can anybody help me??

I have obtained an old Icom IC202S 2m SSB xcvr, without any documentation etc.

Does anybody know what the mike pinouts are, or the crystals to be used for the 'A' and 'B' positions.

Thanks in advance

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Mike Simkins          |      Internet: mike@imcldn.demon.co.uk (Fastest)
'To err is human, to really |      mikes@m2xenix.psg.com (Fast)
mess up - get a computer'  |      AMPR      mike@g1xgp.ampr.org (Slower)
-----
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Date: Mon, 25 Jan 1993 19:26:59 GMT
From: overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!udel!bogus.sura.net!
howland.reston.ans.net!zaphod.mps.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!
hplextra!hpl-opus!@dog.ee.lbl.gov
Subject: Re: writing out -- --- -. ... . in order to pass your exam
To: info-hams@ucsd.edu
```

In rec.radio.amateur.misc, samodena@csemail.cropsoci.ncsu.edu (S. A. Modena) writes:

>Are written theory exams available in Spanish?

It's hard to imagine that anyone could be a very successful amateur in the US without knowing English. The regulations are written in English. Nearly all QSOs are in English. This is true even on the DX bands -- English is the lingua franca of the airwaves. I have even heard Japanese stations talking to each other (CW) in English.

AL N1AL

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Date: 26 Jan 93 15:59:04 GMT
From: ogicse!uwm.edu!linac!att!cbnewsm!jeffj@network.UCSD.EDU
Subject: Real Hams... ALL!
To: info-hams@ucsd.edu
```

In article <14570600@hpnmdla.sr.hp.com> alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:

>In rec.radio.amateur.misc, kb7uv@panix.com (Andrew Funk) writes:

>

>>And the license is the Technician class license, \*not\* the "no-code  
>>Technician" license! Let's drop the pejorative terms, please.  
>  
>By the way, despite the flames from a couple of incorrigibles on the net,  
>the vast majority of hams I deal with have welcomed the no-code  
>Technicians with open arms!

My backup net control on the Sunday night Technical Net (7:30pm, 147.060,PL100)  
is a Nocode tech and is pretty sharp when it comes to VHF/UHF. In fact  
when it comes down to fairly technical discussions it seems that the  
Nocodes seem to be in the fore front of the discussion. However I still  
cringe when I hear a CBism on 2 meters. 8-) 73!

Jeff

--

Jeff Jones AB6MB | Hooker : I'll do anything for \$50!  
jeffj@seeker.mystic.com | Henny Youngman: Will you paint my house?  
Infolinc BBS 415-778-5929 |

-----  
Date: 26 Jan 93 14:58:18 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!  
spool.mu.edu!studsys.msos.mu.edu!jason@network.UCSD.EDU  
Subject: Real NoCodes  
To: info-hams@ucsd.edu

In article <1993Jan24.170416.965@mixcom.com> kevin.jessup  
<kevin.jessup@mixcom.mixcom.com> writes:  
>There are many general class and higher HAMS here where I work and in the  
>surrounding area (Milwaukee) and I've found them to be very helpfull.  
>Most do not have Deignan's attitude and are happy to help anyone with  
>a desire to learn more about HAM radio.  
>  
>So far the only "flames" I've received regarding any HAM radio questions  
>I've had have come via Email. I think such flaming is more a phenomenon  
>of INTERNET rather than HAM radio in general. You'll find such attitude  
>problems in any USENET conference. Most of them you just have to ignore.

I think you hit the nail on the head Kevin! Most of the hams on the air are  
genuinely nice guys (there are always a few B0Z0s) but there seems to be more  
wiseguys on INTERNET. I am confident that you will find the ham community here  
in Wisconsin very friendly. I recently came to Milwaukee and the hams here  
have treated me great, not unlike I lived here from day one. (And I have found  
that I am not an exception!)

Jason  
ex KB9GHZ (/N)

now N9LEA (/AA) yep, still waiting!

--

Jason Hanson | 915 W. Wisconsin Ave #1010 | (414) 288-2179  
Marquette University | Milwaukee, WI 53233-2373 | Ham Radio: N9LEA/AA  
-- jason@studsys.mscs.mu.edu ==+== n9lea@n0ary.#nocal.ca.usa.na --

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Date: 25 Jan 93 02:45:08 GMT  
From: ogicse!hp-cv!sdd.hp.com!crash!orbit!pnet51!rambler@network.UCSD.EDU  
Subject: Retuning Commercial Gear  
To: info-hams@ucsd.edu

mark@ERA.COM (Mark Feit) writes:

>Has anyone seen books (doubtful) or files in an archive (more  
>probable) on using commercial gear in the ham bands?

>

>Lately I've been toying with the idea of finding some old commercial  
>gear to retune and use on the 2m and 70cm bands. Mostly I'm looking  
>for handhelds and low-power mobiles (10-20 watts) to have around the  
>house and in the office. Bells and whistles aren't necessary; just  
>something with two or four channels that can be set up to use on  
>repeaters or for simplex if necessary. PL encode/decode would be  
>nice, but isn't a must.

>

>I do know that I'd like to stick with Motorolas, since anyone I've  
>ever run into with retuned gear has one. What I \_don't\_ know is how  
>all of the different flavors (Micor, etc...) fit into the scheme of  
>things, what's worth getting, what's worth avoiding and how to obtain  
>service manuals. If somebody could fill me in on any part of that  
>(yes, it's a mouthful), I'd love to hear from you.

>

My wife and I use some regency UHF synthesized mobile rigs in our cars.

I had no trouble at all retuning them for use in the 440 repeater band.

the sensitvity is a little less than a "real" ham rig, but they do  
meet regency specs. ( .5uV for 10 db sinad ). they do have a 20  
watt power output, 10 channels, and work just like they disigned to work.

-- Dan Meyer / N0KFB

Remember: " Buffalo never Oink " Seen on a South Dakota travel brochure.  
Advertisement: Try the Railway Post Office , a railfan BBS ! (612) 377-2197.  
UUCP: {crash tcnet}!orbit!pnet51!rambler  
INET: rambler@pnet51.orb.mn.org

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Date: 26 Jan 93 03:58:40 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!not-for-mail@network.UCSD.EDU  
Subject: TH78A / Larson / Intermod / mods  
To: info-hams@ucsd.edu

I recently purchased a Kenwood TH78A. My guess is that they designed the rig specifically with the limited abilities of the rubber ducky in mind. I purchased a Larson 2/70 antenna on the recommendation of a salesman at EEB (which is a *\*very\** nice place to visit). I also purchased a Larson mag mount (for mobile use). I've been experiencing *\*serious\** intermod and/or receiver overload. I am not an experienced ham (or, to be more precise, not a licensed ham), so bear with me if the description of the problem(s) seems unnecessary.

Lots of paging tones related interference (sounds like paging tones with lots of crackle). I'm pretty sure it is paging tones and not packet. Sometimes I get it everywhere from 144-148 (receiver overload?) and sometimes just on frequencies that are in use (intermodulation distortion?). In the second case, sometimes the intermod is only on a few stations in use, but others are perfectly clear. The frequencies I've been monitoring are FM voice repeaters, most of which I pick up crystal clear with the ducky.

My home location is a hilltop in northern VA overlooking (sight blocked by trees, thank goodness) a highway (395 north) facing Washington DC. We are about an 8 minute drive or so from the city. Also about 4-5 minutes from and facing the Pentagon (my guess is that they take pains NOT to put out any strong signals, though). Needless to say, the interference is the worst there (and I'm inside!). I haven't tried the Larson in DC, but my guess would be that with my current set up, it'd be a bad idea.

I have a few questions. :)

Since I'm not going to be transmitting until I get my license (tested/passed Jan 3), I had assumed that I didn't need a ground plane under the Larson for the time being and that ground planes are used only for/mainly for transmission purposes. Am I correct in thinking so?

Has anyone gotten information from Kenwood on reducing the receiver sensitivity on the TH78A? It would be nice if such a thing could be computer controlled through the keypad (and hopefully not by a ridiculous power on key sequence - see side note below). I think maybe I will write a letter to Kenwood with this request.

Is there such a thing as a dual bandpass filter (array?) that could be placed on the feed line that would attenuate any signal coming off the antenna that



was not in the VHF \*and\* UHF ham bands? Or is such a thing a bad idea/not available? If there is such a thing, where can I get one?

Side note: May I bitch? Thanks.

The TH78A is a work of art. I'm simply amazed. However, I have a little problem with the user interface design. Why REQUIRE that the rig be powered off and then back on with a certain keypress to change certain features? Every once in a while, I have to reset the rig (reason is below). So I power up holding down M (to clear memory). Then I power off. Then I power up holding down 8 (to change scan mode on VHF), then I power off. Then I power up holding down 9 (to change scan mode on UHF), then I power off, etc, etc, etc. This is silly, and may reduce the useful life of the unit. I have jokingly (and sometimes seriously...) thought about buying another TH78A and using that as a data library via the clone feature. However, my bank account vetoed that. Besides, I can't use the clone feature until I can transmit anyway.

The reason I have to reset the darn rig might be my fault I suppose. Every once in a while (maybe once every 50 power ons) I turn it back on and it has switched to CHANNEL mode for apparently no reason. Only set memories are available, and they are displayed as the channel number rather than the frequency. There is no way to switch back to VFO mode. According to the manual, 3+power on should switch, but that only produces a beep (The same beep every time, indicating that nothing happened). Note: I can't get INTO channel mode either using 3+power from VFO mode. Note that I have a newer version of the TH78A with D4, D5, D6 disconnected. It might be a curse that Kenwood put into the ROM for those who are following old mod files with new radios, but I would hope they wouldn't be so devious. I could be wrong. I'm waiting for the \*new\* 5A mod book to show up at my doorstep and maybe I'll get more info. In the end it will probably end up being my fault - but I had to get it out. Now I feel better. Thanks. :) :) :)

I too am curious about the beep between every frequency change in the low VHF (50+MHZ) range. Why does it DO that?

Followup either to the newsgroup (which I'll be able to read this weekend after my telnet link goes back up - I'm posting thru an email gateway) or to badbunny@tfsp.saic.com. Whichever you prefer is fine with me.

Thanks,  
Brendan

PS - Loads of thanks to all of you who answered my earlier query on CW software. I picked up Super Morse 3.16 and have started my journey towards the General license. It might take me a while (since I don't have a PC at home), but I'll get there.

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Date: 25 Jan 93 00:05:02 GMT  
From: ogicse!hp-cv!sdd.hp.com!crash!orbit!pnet51!hudson@network.UCSD.EDU  
Subject: Through-the-glass antennas  
To: info-hams@ucsd.edu

I have two glass mount antennas on the back window of my rice burner pick-up.

A larson 2/70 and a Antenna Specialst 1/2 wave 2 meter cellphone lookalike (for the scanner).

They have both been on the truck for about six months with no problems.

I did notice that it took alot of pressure for the mounting tape to make contact over a majority of the surface, I put the antenna side on first and as I put it on got about 15-20% contact I pushed and wiggled until I got about 80% contact.

Side Notes:

I got the 2/70 mounted just to high and it "tings" on the grarge door every time ;-(

Its not as good as the 2 (2 meter/70cm) 5/8s mag mounted on the roof (aw darn have to go to 50 watts when I am more than 30 miles from the repeater)

UUCP: {crash tcnet}!orbit!pnet51!hudson  
INET: hudson@pnet51.orb.mn.org  
ICBM: Lat. 44.59 x lon. 93.13  
HAM: NONMX 444.100 repeater  
Advertisement: Try the Railway Post Office BBS (612) 377-2197 a Railfan BBS

-----  
Date: 26 Jan 93 15:26:48 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: writing out -- --- .-. ... . in order to pass your exam  
To: info-hams@ucsd.edu

Subject: Re: writing out -- --- .-. ... . in order to pass your exam

>The rules only require the examinee to demonstrate the ability to send  
>and receive text in Morse Code. Intermediate forms are not of interest.  
>In the one VE session I worked, one examinee copied in Sanskrit. It was  
>accepted by the rest of the team. We only care about 7 of 10 questions  
>or one minute of copy.

>  
>Perry Scott  
>AA0ET

So what are you saying... that if one of your testees turns in a blank question sheet and a form with all dots and dashes you give credit for "one minute of copy"?

Seems to me you have to either accept the dots and dashes as copy or you don't.

Dube Todd        AB5AP        <dube@cpdvax.csc.ti.com>

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Date: Tue, 26 Jan 93 00:52:13 GMT  
From: usc!howland.reston.ans.net!zaphod.mps.ohio-state.edu!cs.utexas.edu!  
gerald@cc.utexas.edu!slcs.slb.com!leo.asc.slb.com!sjsca4!jones@network.UCSD.EDU  
Subject: writing out -- --- .-. ... . in order to pass your exam  
To: info-hams@ucsd.edu

S. A. Modena (samodena@csemail.cropsci.ncsu.edu) wrote:  
: Are written theory exams available in Spanish? In which language do  
: the citizens of the Commonwealth of Puerto Rico take their exams  
: WHEN THEY USE ARRL-supplied examination supplies? (Or W5YI?)

As an aside to this, the commercial tickets DO require a knowledge of spoken "English". When I took the test for my First Class Radiotelephone License (that was back in '78, it's now called a General Class Radiotelephone License) the examiner told me to "sit in the third seat in the first row". He then observed where I sat, and had I sat in the wrong seat, I would have failed right there. (When I came back after lunch [it was a fairly long exam to take all in one day ;-)], he didn't say which seat to sit in, so I asked, and he said "I don't care. Just pick one."

--  
Disclaimer: The opinions expressed above are mine and not those of Schlumberger because they are NOT covered by the patent agreement!

Alternate reply path: jones@sjs.sj.ate.slb.com  
Phone: (602) 345-3638  
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,  
AZ 85284-1825

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Date: Tue, 26 Jan 93 03:58:37 GMT  
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!en.ecn.purdue.edu!n9ljx@purdue.edu

To: info-hams@ucsd.edu

References <1k05j9INN2u5@shelley.u.washington.edu>, <C1FMon.4q4@anomaly.sbs.com>,  
<1k29kdINN57i@shelley.u.washington.edu>n.  
Subject : Re: Real NoCodes

In article <1k29kdINN57i@shelley.u.washington.edu> cummings@stein.u.washington.edu  
(Michael Cummings) writes:

>In <C1FMon.4q4@anomaly.sbs.com> kd1hz@anomaly.sbs.com (Michael P. Deignan)  
writes:

>

>>cummings@stein.u.washington.edu (Michael Cummings) writes:

>

>>> But it's also easy to see it for what it is: A series of  
>>>mean-spirited generalizations about "no-codes" disguised as humor. It's a  
>>>classic example of someone wanting to put down a whole group of people  
>>>while maintaining an easy excuse for doing so.

>

>>Gee, where was your condemnation of the "Real hams...." list which was  
>>posted shortly before my "Real no-codes" list? Two different standards?

>

> You're changing the subject. Combining this with the tactic I

Sorry, but I think that is a valid question. Some people are just too  
sensitive to ignore insults that are designed to ignite emotions. Not that I  
agree with Micheal, but why not just smile, say 'What A Jerk!!', and get on  
with life!! IS there really any need for this flame fest!?

I think you could all stand a good dose of 'Get A Life!'

BTW - KD1HZ, I like your .sig comment!

--

Scott Stambaugh - N9LJX                   internet: n9ljx@ecn.purdue.edu  
Operations Supervisor, ADPC               phone:     317 494 7946  
Purdue University  
West Lafayette, IN 47907-1061

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Date: 26 Jan 93 15:50:31 GMT

From: ogicse!uwm.edu!linac!att!cbnewsm!jeffj@network.UCSD.EDU

To: info-hams@ucsd.edu

References <1jr0e3INNnbn@shelley.u.washington.edu>,  
<C1DCL7.C67@constellation.ecn.uoknor.edu>,  
<1993Jan26.010156.5434@ryn.mro4.dec.com>

Subject : Re: re: ANTENNA HANDBOOK

In article <1993Jan26.010156.5434@ryn.mro4.dec.com> pierson@empror.enet.dec.com (dave pierson) writes:

>

>>In article <1jr0e3INNnbn@shelley.u.washington.edu>

>>dbillon@stein.u.washington.edu (Damien Billon) writes:

>>>

>>> I am looking for a good antenna handbook describing how to build HF, VHF, >>>UHF... antennas. Any idea ?

>...

>>Sure: The ARRL Antenna Handbook. Also the ARRL Antenna Compendium, >>although I haven't actually seen and used the latter. You might >>also very well find what you need in the ARRL Handbook, which is >>probably one of the best investments a ham can make.

I have found the ARRL Antenna Handbook to be a OK general reference book on antennas. I bought it and was a little disapointed at the construction articles in it. It seems to be a little vague in a lot of spots in explaining how things work. It's handy to have but if you are interested in really digging into how antennas work or building your own there are a lot better books out there. 73!

Jeff

--

Jeff Jones AB6MB	Hooker	: I'll do anything for \$50!
jeffj@seeker.mystic.com	Henny Youngman:	Will you paint my house?
Infolinc BBS 415-778-5929		

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End of Info-Hams Digest V93 #114

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